


FORM PTO-1449 (Rev. 2-32)  INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use several sheets if necessary)	U.S. Department of Commerce Patent and Trademark Office	Atty. Docket No. 01-1633A	Serial No. 10/612,422
		Applicant: James H. Storhoff, et al.	
		Filing Date: July 02, 2003	Group: 1645

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Examiner Initial		Document Number	Date	Name	Class	Subclass	Filing Date if Appropriate
JR	1.	6,251,303 B1	06/26/2001	Bawendi, et al.			
JR	2.	6,306,610 B1	10/23/2001	Bawendi, et al.			
JR	3.	6,365,418 B1	04/02/2002	Wagner, et al.			
JR	4.	6,277,489 B1	08/21/2001	Abbott, et al.			
JR	5.	5,830,986	11/03/1998	Merrill, et al.			

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							Yes	No
JR	6.	WO 01/86301 A1	11/15/2001	PCT				

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JR	7.	Otsuka, Hidenori, et al, "Quantitative and Reversible Lectin-Induced Association of Gold Nanoparticles Modified with α -Lactosyl-w-mercapto-poly(ethylene glycol)," <i>Journal of the American Chemical Society</i> , Volume 123, p. 8226-8230 (2001)						

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JR	1.	5,472,881	12/05/1995	Beebe et al.			
	2.	4,996,143	02/26/1991	Heller et al.			
	3.	6,214,560	04/10/2001	Yguerabide et al.			
	4.	6,361,944	03/26/2002	Mirkin et al.			
JR	5.	6,506,564	01/14/2003	Mirkin et al.			

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JR	6.	WO 98/04740	02/05/1998	PCT				
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JR	11.	Bottomley et al., <i>J. Vac. Sci. Technol. A</i> , 10, 591 (1992)
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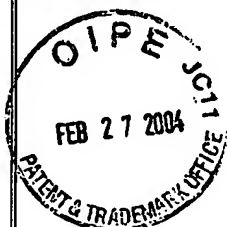
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	20.	Elghanian et al., <i>Science</i> , 277: 1078 (1997)
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	28.	Letsinger, R. L.; Elghanian, R.; Viswanadham, G.; Mirkin, C. A. <i>Bioconjugate Chemistry</i> 2000, 11, 289-291
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	2.	5,900,481	05/04/99	Lough, et al.	536	55.3	11/06/96
	3.	6,203,989	03/20/01	Goldberg, et al.	435	6	03/25/99
	4.	6,251,303	06/26/01	Bawendi, et al.	252	301.4R	09/18/98
	5.	6,277,489	08/21/01	Abbott, et al.	428	403	12/04/98
	6.	6,306,610	10/23/01	Bawendi, et al.	435	7.1	09/17/99
	7.	6,361,944	03/26/02	Mirkin, et al.	435	6	06/25/99
	8.	6,365,418	04/02/02	Wagner, et al.	436	518	05/18/00
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	12.	WO 98/17317	30 April 1998	PCT				JR
	13.	WO 99/60169	25 November 1999	PCT				
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JR	19.	WO 02/04681	17 January 2002	PCT				
JR	20.	WO 02/18643	7 March 2002	PCT				
JR	21.	WO 02/36169	10 May 2002	PCT				
JR	22.	WO 02/46483	13 June 2002	PCT				
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JR	25.	Letsinger, R., et al., "Use of a Steroid Cyclic Disulfide Anchor in Constructing Gold Nanoparticle—Oligonucleotide Conjugates," <i>Bioconjugate Chem</i> , p. 289-291 (2000)

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JR	26.	Li Z., et al., "Multiple thiol-anchor capped DNA-gold nanoparticle conjugates," <i>Nucleic Acids Research</i> , Volume 30, p. 1558-1562 (2002)
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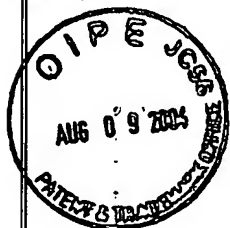
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JR	2.	Dunn, et al., "A Novel Method to Map Transcripts: Evidence for homology between an Adenovirus mRNA and Discrete Multiple Regions of the Viral Genome, <i>Cell</i> , Vol. 12, pp. 23-36, (1997) U.S. –
JR	3.	Hacker, "High performance Nanogold – Silver in situ hybridisation, <i>Eur. J. Histochem</i> , Vol. 42, pp. 111-120 (1998) U.S. –
JR	4.	Ranki, et al., "Sandwich hybridization as a convenient method for the detection of nucleic acids in crude samples," <i>Gene</i> , Vol. 21, pp. 77-85 (1983) U.S. –
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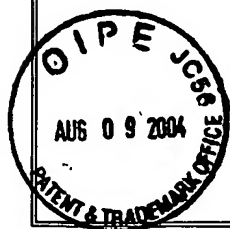
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	2.	4,256,834	3/17/81	Zuk et al.			
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	5.	4,318,707	3/9/82	Litman et al.			
	6.	4,650,770	3/17/87	Liu et al.			
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	23.	WO 97/40181	10/30/97	PCT			
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Atty. Docket No.

Serial No.

01-1633-A

10/612,422

INFORMATION DISCLOSURE
STATEMENT BY APPLICANT

Applicant: Storhoff, et al.

Filing Date:
July 2, 2003

Group: 1645



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Examiner Initial		Document Number	Date	Name	Class	Subclass	Filing Date
JR	1.	5,288,609	02/08/94	Mroczkowski, et al.			
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	3.	5,360,895	11/01/94	Hainfield, et al.			
	4.	5,384,265	01/24/95	Kidwell, et al.			
	5.	5,472,881	12/05/95	Beebe, et al.			
	6.	5,599,668	02/04/97	Stimpson, et al.			
	7.	5,637,508	06/10/97	Kidwell, et al.			
	8.	5,751,018	05/12/98	Alivisatos, et al.			
	9.	5,939,021	08/17/99	Hansen, et al.			
JR	10.	5,990,479	11/23/99	Weiss, et al.			

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		Document Number	Date	Country	Class	Subclass	Translation Yes No
JR	11.	WO 93/10564	27 May 93	PCT			
	12.	WO 98/10289	12 March 98	PCT			
	13.	WO 99/23258	14 May 99	PCT			
	14.	WO 99/21934	06 May 99	PCT			
JR	15.	WO 99/20789	29 April 99	PCT			

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2	16.	O.D. Velev, et al., "In Situ Assembly of Collordal Particles into Miniaturized Biosensors," <i>Langmuir</i> , Vol. 15, No. 11, pp. 3693-3698, May 25, 1999
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JR	2.	5,751,018	05/12/98	Alivisatos, et al.	5	1	
JR	3.	5,990,479	11/23/99	Weiss, et al.	5	1	

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JR	4.	WO 92/04469 -	05/19/92	PCT	5	1		

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JR	5.	Stimpson, et al., "Real-time detection of DNA hybridization and melting on oligonucleotide arrays by using optical wave guides," <i>Proc. Natl. Acad. Sci.</i> , Vol. 92, pp. 6379-6383, California Institute of Technology (1995) U.S. -
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	9.	Velev, et al., "In Situ Assembly of Colloidal Particles into Miniaturized Biosensors," <i>Langmuir</i> , Vol. 15, No. 11, pp. 3693-3698, American Chemical Society (1999) U.S. -
JR	10.	Zhu, et al., "The First Raman Spectrum of an Organic Monolayer on a High-Temperature Superconductor: Direct Spectroscopic Evidence for a Chemical Interaction between an Amine and YBa ₂ Cu ₃ O _{7-δ} ," <i>J. Am. Chem. Soc.</i> , Vol. 119, pp. 235-236, American Chemical Society (1997) U.S. -

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		Applicant: Storhoff, et al.	
		Filing Date: July 2, 2003	Group: 1645

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Document Number	Date	Country	Class	Subclass	Translation Yes No

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc).

JR	11.	Yguerabide, et al., "Light-Scattering Submicroscopic Particles as Highly Fluorescent Analogs and Their Use as Tracer Labels in Clinical and Biological Applications," I. Theory, <i>Analytical Biochemistry</i> , Vol. 262, pp. 137-156 (1998) U.S. -
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	2.	5,508,164	04/16/96	Kausch, et al.	435	6	10/29/93
	3.	5,922,537	07/13/99	Ewart, et al.	435	6	11/8/96
	4.	5,972,615	10/26/99	An, et al.	435	6	01/21/98
	5.	6,264,825	07/24/01	Blackburn, et al.	205	777.5	06/23/99
JR	6.	6,214,560	04/10/01	Yguerabide, et al.	435	7.1	04/18/97

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JR	7.	WO 94/29484 -	12/22/94	PCT				
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JR	9.	Mohanty J., et al. "Pulsed laser excitation of phosphate stabilized silver nanoparticles," <i>Proc. Indian Acad. Sci.</i> , Vol. 112, No. 1, p. 63-72. -
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Storhoff, et al.

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July 2, 2003

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1645

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01-1633-A

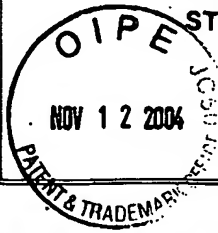
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INFORMATION DISCLOSURE
STATEMENT BY APPLICANT

Applicant: Mirkin, et al.

Filing Date:
July 2, 2003

Group: 1645



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JR	1.	6,361,944	03/26/02	Mirkin, et al.	435	6	06/25/99
	2.	6,417,340	07/09/02	Mirkin, et al.	536	23.1	10/20/00
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	6.	6,602,669	08/05/03	Mirkin, et al.	435	6	07/11/01
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	10.	6,677,122	01/13/04	Mirkin, et al.	435	6	10/11/01
	11.	6,682,895	01/27/04	Mirkin, et al.	435	6	10/12/01
	12.	6,709,825	03/23/04	Mirkin, et al.	435	6	09/28/01
	13.	6,720,147	04/13/04	Mirkin, et al.	435	6	10/12/01
	14.	6,720,411	04/13/04	Mirkin, et al.	536	23.1	10/10/01
	15.	6,726,847	04/27/04	Mirkin, et al.	216	90	11/30/01
	16.	6,730,269	05/04/04	Mirkin, et al.	422	68.1	10/12/01
	17.	6,740,491	05/25/04	Mirkin, et al.	435	6	09/28/01
	18.	6,750,016	06/15/04	Mirkin, et al.	435	6	03/28/01
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JR	44.	2004/0101889 A1	05/27/04	Mirkin, et al.	435	6	08/04/03

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							Yes	No
JR	45.	WO 98/04740 A1 ✓	02/05/98	PCT				
	46.	WO 00/33079 A1 ✓	06/08/00	PCT				
	47.	WO 01/00876 A1 ✓	01/04/01	PCT				
	48.	WO 01/051665 A2 ✓	07/19/01	PCT				
	49.	WO 01/073123 A3 ✓	10/04/01	PCT				
	50.	WO 02/004681 A3 ✓	01/17/02	PCT				
	51.	WO 02/018643 A3 ✓	03/07/02	PCT				
	52.	WO 02/046472 A3 ✓	06/13/02	PCT				
	53.	WO 02/079490 A3 ✓	10/10/02	PCT				
	54.	WO 02/096262 A2 ✓	12/05/02	PCT				
	55.	WO 2003/008539 A3 ✓	01/30/03	PCT				
	56.	WO 2003/035829 A3 ✓	05/01/03	PCT				
	57.	WO 2003/081202 A3 ✓	10/02/03	PCT				
	58.	WO 2003/087188 A1 ✓	10/23/03	PCT				
	59.	WO 2003/095973 A2 ✓	11/20/03	PCT				
	60.	WO 2004/004647 A3 ✓	01/31/04	PCT				
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Examiner	Date Considered
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				Application Number	10/612,422
				Filing Date	July 2, 2003
				First Named Inventor	James J. Storhoff
				Art Unit	1637
				Examiner Name	Jezia Riley
				Attorney Docket Number	01-1633-A

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Examiner Signature	/Jezia Riley/	Date Considered	10/14/2006
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